

3-551 U.S. PTO
09/03332



Class	Subclass
239	154

U.S. UTILITY PATENT APPLICATION

O.I.P.E. SCANNED <i>DMW</i> a.a. <i>GW</i>	PATENT DATE OCT 12 1999
---	-----------------------------------

PATENT NUMBER 5984409

SECTOR	CLASS 239	SUBCLASS 154	ART UNIT 3752	EXAMINER 710-22-15
--------	---------------------	------------------------	-------------------------	------------------------------

FILED WITH: ☐ DISK (CRF) ☐ FICHE
(Attached in pocket on right inside flap)

PREPARED AND APPROVED FOR ISSUE

ISSUING CLASSIFICATION							
ORIGINAL		CROSS REFERENCE(S)					
CLASS	SUBCLASS	CLASS	SUBCLASS (ONE SUBCLASS PER BLOCK)				
239	154	138	B5				
INTERNATIONAL CLASSIFICATION							
B05B	9/08						
F16L	11/04						

☐ Continued on Issue Slip Inside File Jacket

<input type="checkbox"/> TERMINAL DISCLAIMER	DRAWINGS			CLAIMS ALLOWED	
	Sheets Drwg. 2	Figs. Drwg. 4	Print Fig. 1,4	Total Claims 20	Print Claim for O.G. 11
<input type="checkbox"/> a) The term of this patent subsequent to _____ (date) has been disclaimed. <input type="checkbox"/> b) The term of this patent shall not extend beyond the expiration date of U.S. Patent. No. _____	Lesley D. Morris Primary Examiner <i>LD Morris</i> (Primary Examiner)			NOTICE OF ALLOWANCE MAILED	
				ISSUE FEE LL	
<input type="checkbox"/> c) The terminal _____ months of this patent have been disclaimed.	<i>LD Morris</i> (Legal Instruments Examiner)			Amount Due \$1,210.00	Date Paid 6/24/99
				ISSUE BATCH NUMBER Q21	

WARNING:
The information disclosed herein may be restricted. Unauthorized disclosure may be prohibited by the United States Code Title 35, Sections 122, 181 and 368. Possession outside the U.S. Patent & Trademark Office is restricted to authorized employees and contractors only.

Form PTO-436A
(Rev. 10/97)

Formal Drawings (____) shts) set _____

(LABEL AREA)

ISSUE FEE

(FACE)

PATENT NUMBER

ORIGINAL CLASSIFICATION

CLASS

SUBCLASS

239

154

APPLICATION SERIAL NUMBER

09/033332

CROSS REFERENCE(S)

CLASS

SUBCLASS
(ONE SUBCLASS PER BLOCK)

138

125

APPLICANT'S NAME (PLEASE PRINT)

Alexander et al.

IF REISSUE, ORIGINAL PATENT NUMBER

INTERNATIONAL CLASSIFICATION

B 0 5 B

F 1 6 L

9/08

11/04

GROUP
ART UNIT

ASSISTANT EXAMINER (PLEASE STAMP OR PRINT FULL NAME)

3752

PRIMARY EXAMINER (PLEASE STAMP OR PRINT FULL NAME)

Lesley D. Morris

PTO 270
(REV. 5-91)

ISSUE CLASSIFICATION SLIP

U.S. DEPARTMENT OF COMMERCE
PATENT AND TRADEMARK OFFICE